



**PATENT**  
Attorney Docket No. 212634  
Client Reference No. 141388.03

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Group Art Unit: 2121

ARORA et al.

Examiner: PHAM, THOMAS K.

Application No. 09/641,556

Filed: August 17, 2000

For: **PATTERN- AND MODEL-BASED  
POWER LINE MONITORING**

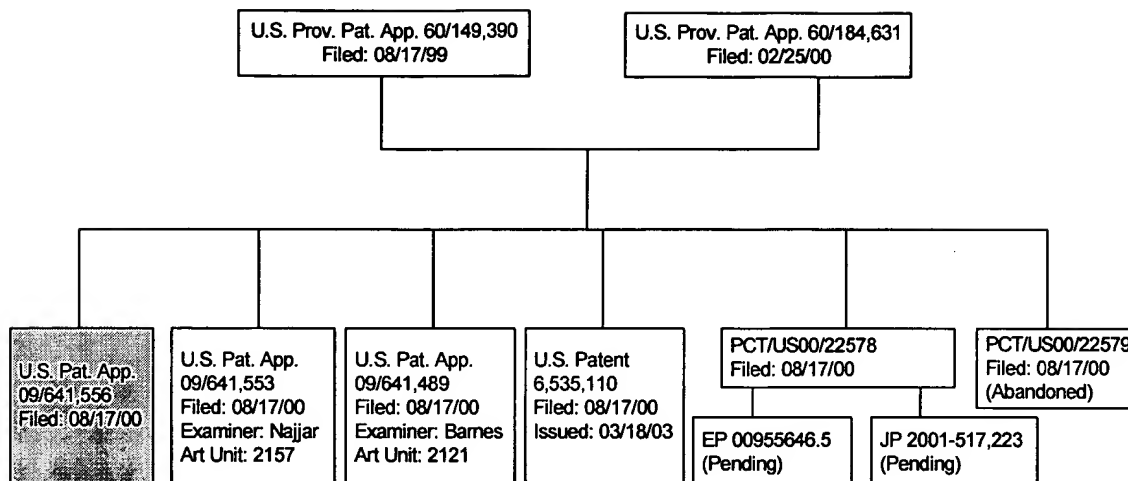
<p align="center"><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (along with any other documents referred to as being enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope address to Mail Stop, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>Date: 06/18/04 <i>Margaret J. DiStasio</i> Signature</p>
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**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.114, 1.97 and 1.98, applicants request continued examination of the above-identified patent application and submit this Second Supplemental Information Disclosure Statement and the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") for consideration by the Examiner.

The tree diagram on the following page shows the relationship between the above-identified patent application and the several cases to which it is related.



The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

We have provided, by way of this Second Supplemental Information Disclosure Statement and the previously-submitted information disclosure statements, the relevant references of which we are aware. If there is additional material cited in the record of any of the related applications presented in the diagram above that the Office would like us to provide, please let us know so that we may submit these references to the Office.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:
- ☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).
- or*
- ☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).
- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).
- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

#### **Copies of the References**

- ☒ Copies of the references listed on the enclosed Form 1449 are enclosed herewith. An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance of each reference not in the English language pursuant to 37 CFR 1.98(a)(3).
- ☒ Copies of two foreign search reports are enclosed herewith.
- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status ( <i>check one</i> )		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED

**Statement under 37 CFR 1.97(e)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

**Statement under 37 CFR 1.704(d)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

**Fees**

- ☒ No fee is owed by the applicant(s).
- ☐ The **IDS Fee of \$180** under 37 CFR 1.17(p) is enclosed herewith.

**Method of Payment of Fees**

- ☐ Attached is a check in the amount of \$ .
- ☐ Charge Deposit Account No. 12-1216 in the amount of \$180.00. (A duplicate copy of this communication is enclosed for that purpose.)


**Authorization to Charge Additional Fees**

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

In re Application of ARORA et al.  
Application No. 09/641,556

**Instructions as to Overpayment**

☒ Credit Account No. 12-1216.  
☐ Refund



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Date: June 18, 2004

Please type a plus sign (+) inside this box → +

Substitute for form 1449A/B/PTO  <div style="text-align: center;"> <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> </div> <div style="text-align: center; font-size: small;">           (Use as many sheets as necessary)         </div>				<b>Complete if Known</b>	
Sheet 1 of 2		Application Number 09/641,556 Filing Date August 17, 2000 First Named Inventor ARORA Group Art Unit 2121 Examiner Name Thomas K. Pham Attorney Docket Number 212634 MS 141388.03			

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
	AN	5699501		Badovinatz et al.	12/16/97	04/30/96
	AO	5787250		Badovinatz et al.	07/28/98	04/30/96
	AP	5987376		Olson et al.	11/16/99	07/16/97
	AQ	6311209	B1	Olson et al.	10/30/01	11/16/99

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No*+


OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No*+
	AR	G. BALLINTIJN et al. <i>Exploiting Location Awareness for Scalable Location-Independent Object IDs</i> . Proceedings of the 5th Annual ASCI Conference, pp. 321-328 (1999).		
	AS	A. T. CAMPBELL. <i>QOS-Aware Middleware for Mobile Multimedia Communications</i> . Journal on Multimedia Tools and Applications, vol. 7, no. 1/2, pp. 67-82 (Kluwer, Dordrecht, Netherlands, July 1988).		
	AT	K. M. CHANDY et al. <i>Using Announce-Listen with Global Events to Develop Distributed Control Systems</i> . Concurrency: Practice and Experience, vol. 10, no. 11-13, pp. 1021-1027 (Wiley, 1998).		
	AU	D. CLARK. <i>The Design Philosophy of the DARPA Internet Protocols</i> . ACM SIGCOMM Computer Communication Review, Symposium Proceedings on Communications Architectures and Protocols, vol. 18, no. 4, pp. 106-114 (August 1988).		
	AV	<i>The HAVi Specification: Specification for the Home Audio/Video Interoperability (HAVi) Architecture</i> . Version 1.0 beta (November 19, 1998). Page 9, ¶ 2.2.3; page 353, ¶ 10.3; page 354, ¶ 10.5.		
	AW	P. JI et al. <i>A Comparison of Hard-state and Soft-state Signaling Protocols</i> . Proceedings of 2003 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications, pp. 251-262 (ACM Press, 2003).		
	AX	S. KUMAR et al. <i>A Pattern Matching Model for Misuse Intrusion Detection</i> . Proceedings of National Computer Security Conference, pp. 11-21 (1994).		
	AY	P. PAN et al. <i>BGRP: Sink-Tree-Based Aggregation for Inter-Domain Reservations</i> . Journal of Communications and Networks, vol. 2, no. 2, pp. 157-167 (Korean Institute of Communications Sciences, Seoul, 2000).		

Examiner Signature	Date Considered
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\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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 Substitute for  
 JUN 23 2004  
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(Use as many sheets as necessary)

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Application Number	09/641,556
Filing Date	August 17, 2000
First Named Inventor	ARORA et al.
Group Art Unit	2121
Examiner Name	Thomas K. Pham

Attorney Docket Number	212634 MS 141388.03
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Date Considered

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+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).